| . 15 |              |                 |          |                     |                |  |         |           |               |       |                           |            |                      | 7               | Application No.  |          |                      |                |         |        |          |            |                     | Applicant(s) |          |         |              |          |                     |           |   |
|------|--------------|-----------------|----------|---------------------|----------------|--|---------|-----------|---------------|-------|---------------------------|------------|----------------------|-----------------|------------------|----------|----------------------|----------------|---------|--------|----------|------------|---------------------|--------------|----------|---------|--------------|----------|---------------------|-----------|---|
| - 12 |              | Index of Claims |          |                     |                |  |         |           |               |       |                           |            | 1.                   | 10/774,639      |                  |          |                      |                |         |        |          |            |                     | SHEDD ET AL. |          |         |              |          |                     |           |   |
|      |              |                 |          |                     |                |  |         |           |               |       |                           | h          | Examiner             |                 |                  |          |                      |                |         |        |          | Art Unit   |                     |              |          |         |              |          |                     |           |   |
|      |              |                 |          |                     |                |  |         |           |               |       |                           |            | Doniel C. Ladda      |                 |                  |          |                      |                |         |        |          |            | 2056                |              |          |         |              |          |                     |           |   |
|      |              | 1 13 3 3 3      | util     | antii li            | TW III         | m Wel  |         | nu 1      | 1941 (        |       |                           |            |                      |                 | Daniel S. Larkin |          |                      |                |         |        |          |            |                     | 2856         |          |         |              |          |                     |           |   |
|      |              |                 | $\neg$   |                     |                | $\neg$   |         |           | $\overline{}$ | (TI   | nro!!                     | ab e       | ימנו                 | ara!            | 1                | 1        | П                    |                |         |        |          |            | П                   |              |          |         |              |          |                     |           |   |
|      |              | √ Rejected -    |          |                     |                |  |         |           |               |       | hrough numer<br>Cancelled |            |                      |                 | al) Non-El       |          |                      | lect           | ected   |        |          | Appeal     |                     |              |          |         |              |          |                     |           |   |
|      | - Allewed    |                 |          |                     |                |  |         | Г         |               |       |                           |            |                      |                 |                  |          | Ţ                    | Interference   |         |        |          | 0          | Objected            |              |          |         |              |          |                     |           |   |
|      |              | = Allowed       |          |                     |                |  |         |           |               |       | Re                        | Restricted |                      |                 |                  | IJl      |                      |                |         | arence |          |            |                     |              |          |         | Ц            |          |                     |           |   |
| ,    |              | ,               | _        |                     |                |  |         | _         | :.:.:         | Claim |                           |            |                      |                 |                  |          |                      | i: Cla         |         | ı.     | -        | Date       |                     |              |          |         |              | $\neg$   |                     |           |   |
|      | Cla          |                 |          | Т                   | 7              | Date   | $\top$  | Γ         | Н             |       |                           |            |                      |                 | Т                | Date     | П                    | 777            |         |        |          |            | T                   | Т            |          |         |              | Γ        | П                   | ヿ         |   |
|      | Final        | Original        | 1/21/05  |                     |                |  |         |           |               |       | Final                     | Original   |                      |                 |                  |          |                      |                |         |        | Final    | Original   |                     |              |          |         |              |          |                     |           |   |
|      | Œ            | ទី              | <u> </u> |                     |                |  |         |           |               |       |                           | ŏ          |                      |                 |                  |          | $\bigsqcup$          |                | $\perp$ |        |          |            | Ш                   |              |          | $\perp$ | L            | L        | Ш                   |           |   |
|      |              | N               | য        | $\dashv$            | $\blacksquare$ | 口  | $\mp$   | F         | 口             |       |                           | 51         | П                    | 7               | Ŧ                | Г        | П                    | 7              | F       |        | L_       | 101<br>102 | H                   | $\mathbf{+}$ | Ŧ        | +       | +            | +        | $\vdash \downarrow$ | $\dashv$  |   |
|      |              | 2 3             | 44       | +                   | +              | ${f H}$  | +       | 1-        | Н             |       |                           | 52<br>53   | ${\mathbb H}$        | +               | ╁                | $\vdash$ | $\vdash \vdash$      | +              | +       |        |          | 102        |                     | +            | +        | 十       | +            | $\vdash$ | H                   | $\exists$ |   |
|      |              | 4               | 1        | 土                   | 世              | 口  | 丰       |           | 口             |       |                           | 54         | 口                    | #               | 1                |          | 口                    | 1              | 工       |        |          | 104        |                     | 7            | 7        | 1       | T            | F        | П                   |           |   |
|      |              | 46              | کآد      |                     | +              | $\vdash \vdash$                                  | +       | $\vdash$  | Н             |       |                           | 55<br>56   | ${oldsymbol{arphi}}$ | ┿               | +                | $\vdash$ | H                    | +              | +       |        | $\vdash$ | 105        |                     | +            | +        | +       | ╀            | 十        | Н                   | $\dashv$  |   |
|      |              | 4               | 0        | $\perp$             |                |  | 土       |           |               |       |                           | 57         |                      | #               | 丰                | 匚        | 口                    | 丰              | 丰       |        |          | 107        | 口                   | #            | #        | 丰       | 1            | L        | П                   | $\Box$    |   |
|      |              | å,              | 0        | $\Box$              | +              | $\Box$   | F       | F         | Н             |       |                           | 58<br>59   | Н                    | +               | +                | -        | H                    | +              | +       |        |          | 108<br>109 | ╁┼                  | ╫            | +        | ╁       | +            | ╁        | Н                   | Н         |   |
|      |              | (a)             | 00       | $\vdash$            | ┿              |  | +       | $\dagger$ | $\vdash$      |       |                           | 60         | H                    | 士               | 士                | L        | Ц                    | 士              | t       |        |          | 110        | 廿                   | 士            | 土        | 士       | 士            |          | Ħ                   | 口         |   |
|      |              | 11              | 7        | $\Box$              | $\bot$         |  | Ŧ       | I         |               |       |                           | 61         | П                    | $\top$          | Ŧ                | F        | П                    | T              | Ŧ       | ł      |          | 111<br>112 | $oldsymbol{\sqcap}$ | 4            | 4        | 1       | +            | +        | H                   | Н         |   |
|      |              | 13              | 44       | $\vdash$            | +-             | H  | +       | +         | Н             |       |                           | 62<br>63   | H                    | 十               | +                | +        | ╁┼                   | +              | +       |        |          | 113        |                     | $\pm$        | $\pm$    | 1       | 士            | 士        | Ħ                   | $\exists$ |   |
|      |              | 14              | 1        | 二                   | $\bot$         | 口  | 1       | L         |               |       |                           | 64         | 口                    | #               | Ţ                |          | П                    | #              | $\bot$  |        |          | 114        | П                   | 7            | Ŧ        | T       | Ŧ            | F        | П                   | П         |   |
|      | -            | 15<br>16        | 44       | $\vdash$            | +              | $\vdash \vdash$                                  | +       | +         | $\vdash$      |       | ļ                         | 65<br>66   | $\vdash$             | +               | +                | ╁        | H                    | +              | +       | 1      |          | 115<br>116 |                     | +            | +        | ╁       | +            | +        | Н                   | Н         |   |
|      |              | 17              | 7        | 世                   |                | 口  | 土       | L         |               |       |                           | 67         | 口                    | 士               | 1                | 匚        | 口                    | #              | 丰       |        |          | 117        |                     | 7            | 丰        | 1       | 1            | L        | Г                   | 口         |   |
| •    |              | 18              | 1        | H                   | $\bot$         | $\Box$   | 上       | F         | $oxed{\Box}$  |       |                           | 68<br>69   | Н                    | +               | +                | ╀        | ${oldsymbol{arphi}}$ | +              | +       | -      | $\vdash$ | 118<br>119 | ╁                   | +            | +        | +       | +            | ╁        | $\vdash$            | Н         |   |
|      | $\vdash$     | 19<br>20        | 1        | 廿                   | $\pm$          | 廿  |         |           |               |       |                           | 70         | Ц                    | 士               | $\pm$            |          | 口                    | #              | 土       |        |          | 120        | П                   | 1            | #        | 士       | 丰            | 丰        |                     | 口         |   |
|      |              | 2               | 1        | П                   | Ŧ              |  | Ŧ       | F         | F             |       |                           | 71<br>72   | П                    | $\dashv$        | _                | -        | H                    |                | +       | -      | <b>_</b> | 121<br>122 | ╂╌╂                 | +            | +        | ╀       | +            | ╀        | $\vdash$            | Н         |   |
|      | <del> </del> | 22              | 7        | H                   | +              | ┢┼   | +       | ╁         | $\vdash$      |       | $\vdash$                  | 73         | ┢┪                   | $\pm$           | 1                |          | Ħ                    | $\pm$          | 士       | 1      |          | 123        | $\prod$             | $\exists$    | $\pm$    | 土       | 土            |          |                     | 口         |   |
|      |              | 24              | 1        |                     | #              |  | 1       | T         | L             |       |                           | 74         | П                    | $\Box$          |                  | F        | П                    | $\blacksquare$ | Ŧ       | ]      |          | 124<br>125 |                     | 4            | 4        | -       | -            | F        | $\vdash$            | Н         |   |
|      | <u> </u>     | 21<br>(36)      | 1        | ${oldsymbol{dash}}$ | ╁              | ┢┤   | +       | ╁         | ╁             |       | <del> </del>              | 75<br>76   | ╁┤                   | +               | +                | 十        | H                    | 十              | +       | -      |          | 126        |                     | +            | $\pm$    | 士       | 士            | 1        | 上                   | H         |   |
|      |              | 27              |          | 世                   | 士              |  | 士       | T         | I             |       |                           | 77         | 口                    | #               | 1                | 1        | 口                    | #              | $\perp$ | 1      |          | 127        | П                   | 7            | 7        | Ţ       | Ŧ            | T        | F                   | 口         |   |
|      |              | 28<br>29        | _        | $\vdash$            | +              | <del>                                     </del> | +       | +         | ╁             |       | <u> </u>                  | 78<br>79   | $\vdash$             | +               | +                | ╀        | $oldsymbol{H}$       | +              | +       | -      |          | 128<br>129 |                     | +            | +        | +       | +            | +        | $\vdash$            | Н         |   |
|      |              | 30              | 士        | 廿                   | 士              |  | 土       | 士         | 上             |       |                           | 80         | Ц                    | $\perp$         | 1                |          | 口                    | $\downarrow$   | 丰       |        |          | 130        | П                   | コ            | #        | #       | #            | ļ        | Ļ                   | 口         |   |
|      |              | 31              |          | H                   | 丰              | $\Box$   | $\perp$ | F         | 1             |       |                           | 81<br>82   | H                    | $\dashv$        | +                | +        | $oldsymbol{arphi}$   | +              | +       | -      | <u> </u> | 131<br>132 |                     | $\dashv$     | +        | +       | +            | +        | +                   | Н         |   |
|      | $\vdash$     | 32<br>33        | +-       | $\vdash$            | +              | ╂╌┤  | +       | +         | $\vdash$      |       |                           | 83         | H                    | $\dashv$        | $\pm$            | 士        | ╽                    | 士              | 士       |        |          | 133        | $\Box$              |              | 士        | 1       | 土            | 士        |                     | 口         |   |
|      |              | 34              |          | 口                   | T              | $\square$  | 1       | T         |               |       |                           | 84         | П                    | $\Box$          | Ŧ                | -        | П                    | $\blacksquare$ | $\bot$  | 1      |          | 134<br>135 |                     | 4            | $\mp$    | -[      | +            | F        | H                   | $\dashv$  |   |
|      | -            | 35<br>36        | $\vdash$ | ${m H}$             | +              | H  | +       | +         | +             |       | $\vdash$                  | 85<br>86   | Н                    | $\dashv$        | ╫                | +        | Н                    | _              | 士       | 1      |          | 136        |                     | _            | $\pm$    | 1       | $\pm$        | 1        |                     | H         |   |
|      |              | 37              | I        | 口                   | $\perp$        | Ħ  | 丰       | 1         | L             |       |                           | 87         | П                    | $\Box$          | $\top$           | T        | П                    | $\Box$         | Ţ       | ]      |          | 137        |                     | $\exists$    | T        | Ŧ       | Ŧ            | Ŧ        | F                   | П         |   |
|      | <u> </u>     | 38<br>39        | ╀        | ╁┼                  | +              | ╁┤   | +       | ╁         | ╁             |       | <del> </del>              | 88<br>89   | H                    | +               | +                | +        | H                    | $\dashv$       | +       | ╢      | $\vdash$ | 138        |                     | $\dashv$     | +        | +       | +            | 十        | $\pm$               | Н         |   |
|      |              | 40              | L        | 口                   |                | 口  | 士       | 土         |               |       |                           | 90         | Ħ                    | コ               | #                | 1        | Ħ                    | $\Box$         | 丰       |        |          | 140        | $\Box$              | コ            | $\Box$   | #       | $\downarrow$ | Ţ        | Ţ                   | $\Box$    |   |
|      |              | 41              | F        | П                   | $\bot$         | $\Box$   |         | +         | $\vdash$      |       | <u> </u>                  | 91<br>92   | +                    | $\dashv$        | +                | +        | H                    | $\dashv$       | +       | -      | $\vdash$ | 141        |                     | -            | $\dashv$ | +       | +            | ╀        | ╀                   | Н         |   |
|      |              | 42              | $\vdash$ | H                   | +              | ╁┤   | 士       | $\pm$     | $\perp$       |       |                           | 93         |                      |                 | $\perp$          | 士        | Ħ                    |                | 土       |        |          | 143        |                     | ╛            |          | 丰       | 丰            | 1        | L                   | Ħ         |   |
|      |              | 44              | L        | П                   | 工              | П  | 1       | Ŧ         | F             |       |                           | 94         | F                    | $\Box$          | $\bot$           | F        | $\Box$               | $oxed{\Box}$   |         | 4      |          | 144        |                     | -            | $\dashv$ | +       | +            | ╀        | +                   | Н         | • |
|      | $\vdash$     | 45<br>46        | ╁╴       | ₩                   |                | H  | +       | +         | +             |       | $\vdash$                  | 95<br>96   | $\vdash$             | $\vdash$        | +                | +        | ╁╌                   | $\exists$      | 士       | _      |          | 145        |                     |              |          | 士       | $\pm$        | 士        |                     | Ħ         | 1 |
|      |              | 47              | t        | $\Box$              | 丰              | 口  | 丰       | 1         | T             | 1     |                           | 97         |                      |                 | #                | 1        |                      | 耳              | 1       | ]      |          | 147        |                     | $\Box$       |          | 4       | T            | Ŧ        | F                   | П         | , |
|      | -            | 48<br>49        | +        | ╀┤                  | +              | ╁┤   | +       | +         | ╁             |       |                           | 98<br>99   | +                    | $\vdash \vdash$ | +                | +        | $\vdash$             | H              | +       | -      | $\vdash$ | 148        |                     | ᅱ            | $\dashv$ | _       | +            | +        | $\pm$               | H         |   |
|      |              | 50              | 1        | П                   | $\top$         |  | 士       | İ         | t             | 1     |                           | 100        |                      | 口               | 土                | İ        | $\top$               | 口              |         |        |          | 150        |                     |              |          | ユ       | 丄            | 工        | $\mathbb{T}$        |           |   |